

Date: Tue, 16 Mar 93 08:07:25 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #327
To: Info-Hams

Info-Hams Digest Tue, 16 Mar 93 Volume 93 : Issue 327

Today's Topics:

75 ohm hardline, how to use?
A few QRP related questions.
ARRL BULLETIN 27 ARLB027
ARRL BULLETIN 28 ARLB028
ARRL BULLETIN 29 ARLB029
DESPERATE...NEED TO KNOW FACTS CONCERNING LEGALITY
FT-470 Mod's
HP 8553B Spectrum Analyzer RF plugin for sale
HRO Incident
Icom IC-22S manuals needed
No more license exams for me...
Repair my HW-101??
SPACE BULLETIN 007 ARLS007
Yaesu FT-530 vs. TH-28A (2 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 15 Mar 1993 14:10:54 GMT
From: usc!howland.reston.ans.net!gatech!kd4nc!ke4zv!gary@network.UCSD.EDU
Subject: 75 ohm hardline, how to use?
To: info-hams@ucsd.edu

In article <93073.013438PTS102@psuvm.psu.edu> <PTS102@psuvm.psu.edu> writes:
>The Penn State Amateur Radio Club (K3CR) is in the process of assembling a
>VHF/UHF station, primarily for satellite use. We have the rig (Yaesu FT-736R),
>crossed Yagis for 2m and 400, and a pair of rotors; all we need is feedline.

>A local cable TV company has offered to give us some leftover 75 ohm hardline,
>which we would like to use if at all possible. Even if we have to spend some
>money to adapt the hardline to our 50 ohm system, it would still be preferable
>to buying new cable (We are looking at a run of 100 feet each for 2m and 440). o
>

>My question is:

> How do we adapt the 75 ohm coax to our 50 ohm antennas and rig?

>

>This is what we have come up with so far:

> a) We will have to buy 75 ohm connectors (probably N) for the hardline, so
> any adapter must be physically compatible with these connectors.

> b) Any loss involved should be better than the loss of the best 50 ohm coax
> that we could buy with the money we spend on our matching system.

>

>Our options include:

> - Use the coax as-is. This would give us a built-in 1.5:1 impedance
> mismatch, and we would still have the physical connector mismatch.

I've done this. The loss is low enough that the 1.5:1 SWR isn't a big concern for most things. There are standard type N fittings available for the common CATV hardline, or you can kludge on some PL259s with a couple of plumbing fittings.

> - Tune the antenna matching arms to 75 ohms. We would have to re-tune four
> T-fed Yagis, and replace the phasing sections with 75 ohm coax. This
> has a high tedious-work factor and a formidable screw-up factor, and
> it doesn't solve the mismatches at the rig.

Tuning the antenna can help, but you need the right instrument, a 75 ohm SWR bridge, or you'll be lost. A simple tuner can be built to match the rig end of the cable to 75 ohms.

> - Use transformers. ZD Engineering (73, November 1992, P. 27) sells
> units for various hardlines at \$34.95/pair. What puzzles me is that
> they are sold by frequency; does this mean that they are frequency
> sensitive, with a center frequency and poor performance on band edges?
> Also, there was an article a few years ago in 73 on building such a
> transformer.

This is probably the best solution. The ZD Engineering transformers are quarterwave sections of air line. They are designed to fit directly on the CATV cable through a compression fitting (supplied), and they have a type N fitting on the other end. Being quarterwave lines, they are frequency selective, but do fine across the important parts of 2 meters and 70 cm. Considering the cost of hardline connectors, ZD is a bargain.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

Date: Mon, 15 Mar 1993 16:11:55 GMT
From: usc!howland.reston.ans.net!spool.mu.edu!torn!nott!bnrgate!bcars267!bnr.ca!
babineau@network.UCSD.EDU
Subject: A few QRP related questions.
To: info-hams@ucsd.edu

I saw the recent posting by Jim Speer, K5YUT regarding the new MFJ QRP rigs, my question is have these rigs been reviewed in any of the Amateur Magazines yet? If so, I would appreciate it if someone could let me know what magazine and what issue.

I've never owned a rig which covers 30m. Is this band usable pretty much around the clock? I assume it must share some of the properties of 20/40 meters. Does this seem like a good choice for a single band QRP field day station?

I know that there is a book which has been published specifically on mods for the Heath HW-8. Can someone give me a pointer to a mail-order source for this book?

Thanks in advance,

Michael, VE3WMB

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+++++
Michael Babineau	BITNET: babineau@BNR.CA
Bell Northern Research Ltd.	UUCP : ...!uunet!bnrgate!bmerh812!babineau
Ottawa, ON. CANADA	...!psuvax!BNR.CA.bitnet!babineau
+++++

Date: Sun, 14 Mar 93 02:20:27 GMT
From: usc!zaphod.mps.ohio-state.edu!cis.ohio-state.edu!mstar!n8emr!
bulletin@network.UCSD.EDU
Subject: ARRL BULLETIN 27 ARLB027
To: info-hams@ucsd.edu

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| Automatic relayed from packet radio via |

| N8EMR's Ham BBS, 614-895-2553 |
=====

ZCZC AG68
QST DE W1AW
ARRL BULLETIN 27 ARLB027
FROM ARRL HEADQUARTERS NEWINGTON CT
MARCH 12, 1993
RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO MATEURS

SB QST ARL ARLB027
ARLB027 449 MHZ PLAN AIRED

THE FCC ON MARCH 10 AGREED TO ISSUE A NOTICE OF PROPOSED RULEMAKING AND NOTICE OF INQUIRY ON THE SUBJECT OF WIND PROFILER RADARS (ET DOCKET 93-59).

THE FCC SAID IT ''HAS PROPOSED TO ALLOCATE THE 449 MHZ BAND FOR WIND PROFILER RADAR SYSTEMS (WIND PROFILERS) AND REQUESTED COMMENT ON WHETHER WIND PROFILERS ALSO SHOULD BE ACCOMMODATED IN THE 915 MHZ BAND, AS PROPOSED BY RADIAN CORPORATION, OR IN SOME OTHER FREQUENCY BAND THE 449 MHZ BAND THAT THE COMMISSION IS PROPOSING FOR WIND PROFILER RADARS CURRENTLY IS ALLOCATED ON A PRIMARY BASIS FOR GOVERNMENT RADIOLOCATION OPERATIONS BY THE MILITARY.

''IN ADDITION, THE 449 MHZ BAND IS ALLOCATED ON A SECONDARY BASIS TO THE AMATEUR RADIO SERVICE AND TO GOVERNMENT AND NON-GOVERNMENT RADIOLOCATION SYSTEMS FOR COASTAL RADARS.''

A MAJOR TOPIC OF THE DOCKET PROCEEDING IS EXPECTED TO BE THE EXACT NATURE OF THE SHARING ARRANGEMENT.

NNNN

Date: Sun, 14 Mar 93 02:20:28 GMT
From: usc!zaphod.mps.ohio-state.edu!cis.ohio-state.edu!mstar!n8emr!
bulletin@network.UCSD.EDU
Subject: ARRL BULLETIN 28 ARLB028
To: info-hams@ucsd.edu

=====| Automatic relayed from packet radio via |
| N8EMR's Ham BBS, 614-895-2553 |
=====

ZCZC AG69

QST DE W1AW
ARRL BULLETIN 28 ARLB028
FROM ARRL HEADQUARTERS NEWINGTON CT
MARCH 12, 1993
RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

SB QST ARL ARLB028
ARLB028 902 MHZ BAND NEWS

THE FCC HAS PROPOSED NEW RULES TO ALLOW GREATER USE OF THE 902-928 MHZ BAND FOR SO-CALLED AUTOMATIC VEHICLE MONITORING SYSTEMS. THE PROPOSED NEW RULES WOULD REPLACE INTERIM RULES ADOPTED IN 1974.

AN FCC NEWS RELEASE SAYS, "THE COMMISSION PROPOSED TO EXPAND THE SERVICE TO ENCOMPASS LOCATION OF ALL OBJECTS, ANIMATE AND INANIMATE, AND TO A LOW LICENSEES TO PROVIDE SERVICE ON A PRIVATE CARRIER BASIS TO INDIVIDUALS, THE FEDERAL GOVERNMENT, AND PART 90 ELIGIBLES. THE COMMISSION ALSO PROPOSED TO RENAME THE AVM SERVICE AS THE LOCATION AND MONITORING SERVICE (LMS) AND TO DEFINE LMS AS THE USE OF NON-VOICE SIGNALLING METHODS FROM AND TO RADIO UNITS TO MAKE KNOWN THE LOCATION OF SUCH UNITS.

"COMMENTS ARE REQUESTED ON THIS PROPOSAL AND ON WHETHER LMS SYSTEMS AND OTHER ENTITIES CURRENTLY OCCUPYING THE 902-928 MHZ BAND WILL BE CAPABLE OF HANDLING ANY INCREASED CONGESTION.

"IN THE 902-928 MHZ BAND, THE COMMISSION PROPOSED THAT WIDE-BAND AND NARROW-BAND LMS SYSTEM NOT BE LICENSED ON THE SAME SPECTRUM. THE COMMISSION PROPOSED THE WIDE-BAND LMS SYSTEMS BE LICENSED ON THE 904-912 AND 918-926 MHZ BANDS AND THE NARROW-BAND LMS SYSTEMS BE LICENSED ON THE 902-904, 912-918, AND 926-928 MHZ BANDS. THE COMMISSION BELIEVES THAT WIDEBAND SYSTEMS ARE CAPABLE OF OPERATING IN A SHARED ENVIRONMENT, WITH COOPERATION AMONG THE VARIOUS LICENSEES, BUT SOLICITS COMMENTS ON THE NEED AND DESIRABILITY OF PROVIDING FOR EXCLUSIVITY FOR SOME PERIOD OF TIME...."

NNNN

Date: Sun, 14 Mar 93 02:20:28 GMT
From: usc!zaphod.mps.ohio-state.edu!cis.ohio-state.edu!mstar!n8emr!
bulletin@network.UCSD.EDU
Subject: ARRL BULLETIN 29 ARLB029
To: info-hams@ucsd.edu

| Automatic relayed from packet radio via |
| N8EMR's Ham BBS, 614-895-2553 |

=====

ZCZC AG70
QST DE W1AW
ARRL BULLETIN 29 ARLB029
FROM ARRL HEADQUARTERS NEWINGTON CT
MARCH 12, 1993
RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

SB QST ARL ARLB029
ARLB029 RF GUIDELINES PROPOSED

THE FCC HAS PROPOSED CHANGING ITS GUIDELINES FOR EVALUATING ENVIRONMENTAL RF RADIATION, TO REFLECT THE GUIDELINES ADOPTED IN 1992 BY THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) AND THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS, INC. (IEEE).

''THE NEW GUIDELINES DIFFER SIGNIFICANTLY FROM THOSE THEY REPLACE,''
THE COMMISSION SAID. ''FOR EXAMPLE TWO 'TIERS' OF EXPOSURE LEVELS ARE NOW RECOMMENDED, ONE FOR 'CONTROLLED' ENVIRONMENTS, AND ANOTHER, GENERALLY MORE RESTRICTIVE, FOR 'UNCONTROLLED' ENVIRONMENTS. ALSO, NEW RESTRICTIONS ARE PLACED ON CURRENTS INDUCED IN THE HUMAN BODY BY RF FIELDS BELOW 100 MHZ.

''ANOTHER SIGNIFICANT CHANGE IS THE IMPOSITION OF STRICTER LIMITATIONS ON AUTOMATIC EXCLUSIONS FOR LOW-POWER DEVICES, SUCH AS HAND-HELD RADIOS AND TELEPHONES, BASED ON OPERATING POWER. THE 1982 GUIDELINES GENERALLY EXCLUDED SUCH DEVICES WITH POWERS OF SEVEN WATTS OR LESS. THE NEW GUIDELINES CONTAIN MORE COMPLEX AND MORE RESTRICTIVE CRITERIA FOR SUCH EXCLUSIONS, WITH ALLOWABLE POWER DECREASING AS FREQUENCY INCREASES.''

NNNN

Date: Sat, 13 Mar 93 19:12:55 GMT
From: usc!zaphod.mps.ohio-state.edu!mstar!n8emr!gws@network.UCSD.EDU
Subject: DESPERATE...NEED TO KNOW FACTS CONCERNING LEGALITY
To: info-hams@ucsd.edu

In article <103360159@hpfcso.FC.HP.COM> perry@hpfcso.FC.HP.COM (Perry Scott) writes:

>> I am desperate to find out if it is legal to own a ham radio
>> that has been modified to TRANSMIT out of band.
>> ie. a Yaesu FT-23R that can be modified to transmit between

>> 140-164 MHz...I think.

>
>It is legal for a ham to own an out-of-band radio because we do
>experimentation.

This is silly..... what experimentation can you do out of band. Its illegal to transmit out of band period. (ok except in an emergency). The TX out of band is just an effect of RX out of band.

Even if he can modify for out of band TX he can not legally transmit out of band even if he has a license for that band.

Gary W. Sanders gws@n8emr.cmhnet.org, 72277,1325
N8EMR @ N8JYV (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS 614-895-2553 (1200/2400/V.32/PEP) Voice: 614-895-2552 (eves/weekends)

Date: 15 Mar 93 17:36:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: FT-470 Mod's
To: info-hams@ucsd.edu

I have ftp access, but do not know where to look for FT-470 mod's. Any suggestions on where to look, or on specific mod's appreciated.

post or e-mail fine

73 ES TNX DE KC6TAH (Nick Akers, <estuqj0@mvs.oac.ucla.edu>)

Date: Mon, 15 Mar 1993 17:22:31 GMT
From: usc!wupost!csus.edu!netcom.com!crisp@network.UCSD.EDU
Subject: HP 8553B Spectrum Analyzer RF plugin for sale
To: info-hams@ucsd.edu

I have a later model HP 8553B spectrum analyzer RF unit for sale. It covers 0-11, 0-110MHZ in two ranges. It works perfectly, looks nice and is offered at \$525. It is the beige sort of color. I have a 141T with the 8555A and 8552B and no longer need the 8553B as I have recently obtained a W&G TSA1 which covers the same range (actually a bit more). So there must be someone out there needing this really fine RF unit.

Date: 15 Mar 93 18:22:37 GMT
From: news-mail-gateway@ucsd.edu
Subject: HRO Incident
To: info-hams@ucsd.edu

Fred Lloyd says:

> and suddenly your phone goes dead
> quiet (yes, many hams will abandon all dealer loyalty to save less than
> a dollar).

Well, if I bought equipment at the rate you do, Fred, I'd have to start abandoning dealers for a lot less than a dollar. 8-)

steve - W3GRG
mosier@uncg.bitnet
mosier@iris.uncg.edu dit dit

Date: Mon, 15 Mar 93 17:44:39 GMT
From: mnemosyne.cs.du.edu!nyx!mwgordon@uunet.uu.net
Subject: Icom IC-22S manuals needed
To: info-hams@ucsd.edu

If any one has any repair manuals or user manuals for an IC-22S, I would be more than happy to pay any duplication and postage charges for a copy. I recently got one (free) that someone has passed reverse voltage into. Unfortunately, the idiot must have jumpered the protective diode and done it again because he blew out a transistor and resistor. (Damn "chicken bander".)

The IC-22S is a 25-30 watt diode programmable 2m mobile that is surprisingly small and nicely constructed. Too bad that it looks like a CB. (No, that's a feature, less theft potential.)

Please email any replies, I can never get into this newsgroup before some messages expire. Any help would be most appreciated.

Mike Gordon N9LOI mygordon@nyx.cs.du.edu

Date: 15 Mar 93 10:43:33 CST
From: usc!sdd.hp.com!caen!kuhub.cc.ukans.edu!heacock@network.UCSD.EDU
Subject: No more license exams for me...
To: info-hams@ucsd.edu

Last April I upgraded from Technician+code to General and managed to pass the 20 wpm code test in the process, leaving me one year to upgrade to Extra without having to take another 20 wpm test. Last Friday night was just about my last (convenient) chance to do it...and I *did* it!

Thanks to those of you who have served as "e-mail elmers" over the last couple of years. And for those of you who are tracking license arrival delay times, I'll let you know when my new ticket comes (that's the *real* reason for this announcement, of course... ;-)

73 de n0nzq/ae

--
+-----+
Doug Heacock, Academic Computing	heacock@kuhub.cc.ukans.edu
Services, The University of Kansas	heacock@ukanvax.bitnet
Lawrence, KS 66045	Amateur radio: N0NZQ/AE
+-----+

Date: Mon, 15 Mar 1993 15:43:20 GMT
From: usc!wupost!uwm.edu!linac!uchinews!ux1.cso.uiuc.edu!news.cso.uiuc.edu!
usenet@network.UCSD.EDU
Subject: Repair my HW-101??
To: info-hams@ucsd.edu

In <21870022@hplvec.LVLD.HP.COM> bagdy@hplvec.LVLD.HP.COM (Mark Bagdy) writes:
>I would like to know your opinion of fixing up my old HW-101.
>
>I built it in 1976. My dad has it now and is interested in getting it
>"spruced up". It needs a few repairs, in addition to replacing the
>old rubber belts.
>
>I've noticed some nice used rigs for about \$450. I wonder if it's worth
>the repair? Does the HW-101 retain any "fossil value"?
>
>Can anyone recommend a reputable HW-101 repair tech.? Preferably in the
>Long Island area. (MY dad's in Huntington, LI).
>
>Thanks for any inputs!

>
>Mark
>N0KFI

A few years ago I fixed a pair of SB301/SB400. I believe their design was similar to HW-101. The sensitivity was poor, and some bands did not work. Due to intermods, 40m was unusable at night. The receiver's dial had a backlash. I did the following:

1. adjusted coils in Xtal generator - all bands worked
2. Adjusted other coils, some cores broke. Had to replace them. After that, the transmitter gave full power
3. Added a single transistor (15 db) amplifier after the quartz filters. The apparent sensitivity was as in the best rigs, with no hiss and small signals readable without increasing AF gain.
4. Unscrewed and tightened the dial. The backlash disappeared.
5. Added a 10 to 30 db attenuator. 40 m was usable at night again.

Remaining glitches included:

- strong signals were breaking 2-5 KHz away through the 400 Hz CW. This was slightly annoying on 80m, but I have heard a great number of DX stations on 80m.

- The transmitter did not have a compressor, and therefore its signal had less punch than other transmitters of approximately the same power.

Summarizing, there was some work involved, but the result was great. If you like electronic projects, HW-101 might be a nice rig for you. I have sold mine and bought an IC-735 because I got a demanding job and piles of upgrade ideas for HW-101 would have had surely robbed me of any leisure time. Still, I feel nostalgia for HW-101 receiver (after modifications), which was good (except intermods on 40m) as IC-735 and surely did not have any PLL noise.

Ignacy Misztal Ham radio: N09E, SP8FWB Internet: ignacy@uiuc.edu
Bitnet: ignacy@uiucvmd.bitnet University Of Illinois 1207 W. Gregory
Dr., Urbana, IL 61801, USA tel. (217) 244-3164 Fax: (217) 333-8286

Date: Sun, 14 Mar 93 02:20:27 GMT
From: usc!cs.utexas.edu!zaphod.mps.ohio-state.edu!cis.ohio-state.edu!mstar!n8emr!

bulletin@network.UCSD.EDU
Subject: SPACE BULLETIN 007 ARLS007
To: info-hams@ucsd.edu

=====| Automatic relayed from packet radio via |
| N8EMR's Ham BBS, 614-895-2553 |
=====

ZCZC AS86
QST DE W1AW
SPACE BULLETIN 007 ARLS007
FROM ARRL HEADQUARTERS NEWINGTON, CT
MARCH 12, 1993
RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

SB SPACE ARL ARLS007
ARLS007 STS-55 UPDATE

LATEST WORD FROM NASA IS THAT SHUTTLE MISSION STS-55 WILL BE LAUNCHED ON MARCH 21 AT 145 UTC. THE SAREX ANTENNA TESTS TAKE PLACE ON ORBIT 61, WHICH IS 3 DAYS, 18 HOURS AND 3 MINUTES AFTER LAUNCH, AND ORBIT 62, WHICH IS 3 DAYS, 19 HOURS AND 37 MINUTES AFTER LAUNCH.

NNNN

Date: Mon, 15 Mar 1993 18:36:01 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!gatech!concert!
uvaarpa!murdock!livia.acs.Virginia.EDU!jeg7e@network.UCSD.EDU
Subject: Yaesu FT-530 vs. TH-28A
To: info-hams@ucsd.edu

In article <1993Mar15.164229.18342@cbnewsm.cb.att.com> shz@garage.att.com (Seth Zirin, N2UCQ) writes:

>
>I'm looking for a dual-band HT and have narrowed the choices to either
>a Yaesu FT-530 or a Kenwood TH-28A. The FT-530 and accessories are cheaper.

I believe you mean the Kenwood TH-78A, the dual bander, not the 28A, the two meter micro-tiny?

>Both have illuminated keypads. Keypad numbers will be difficult to see
>at night on the TH-28A because the keys are printed with letters and the
>numbers are next to the illuminated keys. The FT-530 is not alphanumeric
>and has the numbers on the faces of the keys.

>
>The FT-530 offers more choices of midrange output power (5w, 2.5, 1w, 500mw)
>than the TH-28A (5w, 500mw, 20mw or 2.5w, 500mw, 20mw).
>
>Several net-folk have recently mentioned the TH-28A but I've seen no comments
>on the FT-530. Has anyone seen or used one?
>
>Comments Please.
>

I'm very impressed with the large display and high intensity backlighting
on the Yaesu. The illuminated remote control/LCD speaker microphone is
fantastic, great sound, very very useful.

The radio is very small, much smaller than my ICOM W2A. user interface
is Yaesu standard, easy to learn. Nice audio cues. What can I say?
It's a great radio at a great price. More use will determine how well
it works out intermod wise and such..

So far we're pleased with it.

--

These opinions may not be unique, and they may not express the views of U.Va.

| Jon Gefaell, Computer Systems Engineer \ /___ | SILENCE = DEATH
| Security and Technology Planning R&D \ / / | Homophobia is a
| I.T.C. Administrative Computing Services \ / / | Social Disease!
| The University, UVA. Carruthers Hall \/\ / | 73 de KD4CQY
~~~~~\~/~~~~~\~/~~~~~

"Great spirits have always encountered violent opposition from mediocre minds"  
-Albert Einstein

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Date: Mon, 15 Mar 1993 16:42:29 GMT

From: pacbell.com!att-out!cbfsb!cbnews!cbnewsm!garage.att.com!shz@network.UCSD.EDU  
Subject: Yaesu FT-530 vs. TH-28A  
To: info-hams@ucsd.edu

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than the TH-28A (5w, 500mw, 20mw or 2.5w, 500mw, 20mw).

Several net-folk have recently mentioned the TH-28A but I've seen no comments on the FT-530. Has anyone seen or used one?

Comments Please.

Seth Zirin, N2UCQ

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Date: Mon, 15 Mar 1993 18:49:20 GMT  
From: usc!howland.reston.ans.net!gatech!mailer.cc.fsu.edu!geomag!  
zateslo@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <1m7bck\$fpn@uxa.ecn.bgu.edu>, <103360159@hpfcso.FC.HP.COM>, <1993Mar13.191255.8724@n8emr.cmhnet.org>  
Subject : Re: DESPERATE...NEED TO KNOW FACTS CONCERNING LEGALITY

In article <1993Mar13.191255.8724@n8emr.cmhnet.org> gws@n8emr.cmhnet.org (Gary Sanders) writes:

>In article <103360159@hpfcso.FC.HP.COM> perry@hpfcso.FC.HP.COM (Perry Scott) writes:

>>

>>It is legal for a ham to \_own\_ an out-of-band radio because we do  
>>experimentation.

>

>This is silly..... what experimentation can you do out of band. Its  
>illegal to transmit out of band period. (ok except in an emergency).  
>The TX out of band is just an effect of RX out of band.

>Even if he can modify for out of band TX he can not legally transmit  
>out of band even if he has a license for that band.

>--

You can run a transmitter on any frequency you want, \_as\_long\_as\_you\_  
\_don't\_radiate\_any\_power\_. One application of out-of-band transmit capability is with transverters -- for example, 28-30 MHz in, 144-146 MHz out. There are other examples, especially with VHF <-> UHF transverters. (Of course, you shouldn't need much power to drive a transverter...)

It's up to us, the licensees, to see that we don't radiate anywhere but on our licensed frequencies. In return, we're allowed to own any crazy gear we want.

Ted Zateslo, W1XO  
zateslo@geomag.gly.fsu.edu

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End of Info-Hams Digest V93 #327

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